PTO/SB/08a (08-03)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

 Complete if Known

 Application Number
 10/699,116

 Filing Date
 October 31, 2003

 First Named Inventor
 Donnelly

 Art Unit
 2187

 Examiner Name
 Chace, C.

(Use as many sheets as necessary)

ubstitute for form 1449A/PTO

Sheet 1 of 4 Attorney Docket Number RAMB-01065US1

			U.S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (fl known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		^{US-} 5742840	04-21-1998	Hansen et al.	
		^{US-} 5748872	05-05-1998	Norman	
		^{US-} 5860080	01-12-1999	James et al.	
		^{US-} 5867422	02-02-1999	John	
		^{US-} 5898863	04-27-1999	Ofer et al.	
		^{US-} 6006318	12-21-1999	Hansen et al.	
		^{US-} 6034878	03-07-2000	Osaka et al.	
		^{US-} 6038682	03-14-2000	Norman	
		^{US-} 6092229	07-18-2000	Boyle et al.	
		^{US-} 6125419	09-26-2000	Umemura et al.	
		^{US-} 6151648	11-21-2000	Haq	
		^{US-} 6154826	11-28-2000	Wulf et al.	
		^{US-} 6160423	12-12-2000	Haq	
		^{US-} 6255859	07-03-2001	Haq	
		^{US-} 6263413	07-17-2001	Motomura et al.	
		^{US-} 6327205	12-04-2001	Haq	
		^{US-} 6408402	06-18-2002	Norman	
		^{US-} 6487102	11-26-2002	Halbert et al.	

	FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ 'Number ⁴ 'Kind Code ⁵ (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶			
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Signature	Considered		
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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	bstitute for form 1449A/PTO			Complete if Known				
				Application Number	10/699,116			
INFORMATION DISCLOSURE				Filing Date	October 31, 2003			
STATEMENT BY APPLICANT	CANT	First Named Inventor	Donnelly					
			0 7	Art Unit	2187			
	(Use as many sheets as nec	essary))	Examiner Name	Chace, C.			
Sheet	2	of	4	Attorney Docket Number	RAMB-01065US1			

			U. S. PATENT		
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (ff known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		^{US-} 6502161	12-31-2002	Perego et al.	
		^{US-} 6513080	01-28-2003	Haq	
		^{US-} 6154855	11-28-2000	Norman	
		^{US-} 6345321	02-05-2002	Litaize et al.	
		^{US-} 6369605	04-09-2002	Bonella et al.	
		^{US-} 6449213	09-10-2002	Dodd et a.	
		^{US-} 6625687	09-23-2003	Halbert et al.	· · · · · · · · · · · · · · · · · · ·
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FOREIGN PATENT DOCUMENTS									
Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,					
No.'	Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	Ĭ™				
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	No.1	Cite No.¹ Country Code³ Number ⁴ 'Kind Code⁵ (if known)	Cite No.1 Foreign Patent Document Publication Date MM-DD-YYYY Country Code3 Number 4 Kind Code5 (# known)	Cite No.1 Country Code3 Number 4 Kind Code5 (if known) Publication Date MM-DD-YYYY Applicant of Cited Document	Cite No. 1 Country Code 3 Number 4 Kind Code 5 (if known) Publication Date MM-DD-YYYY Applicant of Cited Document Vener Relevant Passages or Relevant Figures Appear				

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Substitute	e for form 1449B/PTC		•		Complete if Known	`
			Application Number	10/699,116		
INF	ORMATIO	N DISCLO	OSURE	Filing Date	October 31, 2003	
STA	TEMENT	BY APPL	ICANT	First Named Inventor	Donnelly	
•				Art Unit	2187	
	(Use as many st	heets as necessai	, (עם	Examiner Name	Chace, C.	
Sheet	3	of	4	Attorney Docket Number	RAMB-01065US1	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
,	!	*U.S. Patent Application Serial No. 10/713,868, filed 11-14-2003 by Pete D. Vogt	
	***************************************	*U.S. Patent Application Serial No. 10/714,025, filed 11-14-2003 by Pete D. Vogt	
***************************************	************	*U.S. Patent Application Serial No. 10/714,026, filed 11-14-2003 by Pete D. Vogt	
***************************************		*U.S. Patent Application Serial No. 10/883,474, filed 06-30-2004 by Pete D. Vogt	
	***************	*U.S. Patent Application Serial No. 10/882,999, filed 06-30-2004 by Pete D. Vogt	
	***********	*U.S. Patent Application Serial No. 10/859,438, filed 05-31-2004 by Pete D. Vogt	
		*U.S. Patent Application Serial No. 10/858,850, filed 05-31-2004 by Pete D. Vogt	
		*U.S. Patent Application Serial No. 10/859,060, filed 05-31-2004 by Pete D. Vogt	
	***************************************	NG, R. (Sun Microsystems Inc.), "Fast computer memories", IEEE Spectum, October 1992, pp. 36-39	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		SALTERS, R.H.W. (Philips Research Laboratories), "Fast DRAMS for sharper TV", IEEE Spectrum, October 1992, pp. 40-42	***********

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Examiner	Date	
Signature	Considered	

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If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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^{*}Please note that the copies of these references enclosed herewith were obtained from the file history for U.S. Patent Application Serial No. 10/456,353. Applicants' attorney assumes that they are the correct copies.

Substitute for form 1449B/		for form 1449B/PTO			Complete if Known			
					Application Number	10/699,116		
	INFO	RMATION	DISCLO	SURE	Filing Date	October 31, 2003		
	STA	TEMENT B'	Y APPL	ICANT	First Named Inventor	Donnelly		
					Art Unit	2187		
		(Use as many sheet	ts as necessar	y)	Examiner Name	Chace, C.		
abla	Sheet	4	of	4	Attorney Docket Number	RAMB-01065US1		

	NON PATENT LITERATURE DOCUMENTS	
Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	JONES, F (United Memories, Inc.), "A new era of fast dynamic RAMs", IEEE Spectrum, October 1992, pp. 43-49	
	FARMWALD, M. et al. (Rambus Inc.), "A fast path to one memory", IEEE Spectrum, October 1992, pp. 50-51	
	GJESSING, S. (University of Oslo), GUSTAVSON, D.B (Stanford Linear Accelerator Center), JAMES, D. et al. (Apple Computer Inc.), WIGGER, H. (Hewlett-Packard Co.), "A RAM link for high speed", IEEE Spectrum, October 1992, pp. 52-53	*********
	The Institute of Electrical and Electronics Engineering , Inc., "IEEE Standard for High-Bandwidth Memory Interface Based on Scalable Coherent Interface (SCI) Signaling Technology (RamLink)", 1996, pp. 1-91	

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		magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. JONES, F (United Memories, Inc.), "A new era of fast dynamic RAMs", IEEE Spectrum, October 1992, pp. 43-49 FARMWALD, M. et al. (Rambus Inc.), "A fast path to one memory", IEEE Spectrum, October 1992, pp. 50-51 GJESSING, S. (University of Oslo), GUSTAVSON, D.B (Stanford Linear Accelerator Center), JAMES, D. et al. (Apple Computer Inc.), WIGGER, H. (Hewlett-Packard Co.), "A RAM link for high speed", IEEE Spectrum, October 1992, pp. 52-53 The Institute of Electrical and Electronics Engineering , Inc., "IEEE Standard for High-Bandwidth Memory

Examiner	·	Date	
Signature		 Considered	•

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Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO		Complete if Known			
	•		Application Number	10/699,116	
INFORMATION	DISCLO	SURE	Filing Date	October 31, 2003	
STATEMENT BY APPLICANT			First Named Inventor	Donnelly	
			Art Unit	2187	
(Use as many sheets as necessary)			Examiner Name	Chace, C.	
Sheet 1	of	7	Attorney Docket Number	RAMB-01065US1	

			U.S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (I known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
•		^{US-} 6016282	1-18-2000	Keeth	
		^{US-} 6449727	09-10-2002	Toda	
		^{US-} 4644532	02-17-1987	George et al.	
		^{US-} 4667305	05-19-1987	Dill et al.	
		^{US-} 4747100	05-24-1988	Roach et al.	, <u>, , , , , , , , , , , , , , , , , , </u>
		^{US-} 4864563	09-05-1989	Pavey et al.	
		^{US-} 5228134	07-13-1993	MacWilliams et al.	
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		Country Code ³ Number ⁴ 'Kind Code ⁵ (if known)		Applicant of Cited Document	or Relevant Figures Appear	'			
*************		WO 99/30240	06-17-1999	Intel Corporation					
***********		WO 99/41666	08-19-1999	Intel Corporation	***************************************				
		WO 99/41667	08-19-1999	Intel Corporation	***************************************				
		EP 1069509 A2	01-17-2001	Texas Instruments					
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Substitute for form 1449A/PTO			complete if Known				
			Application Number	10/699,116			
INFORMATI	ON DISCLO	SURE	Filing Date	October 31, 2003			
STATEMEN			First Named Inventor	Donnelly			
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Sheet 2	of	7	Attorney Docket Number	RAMB-01065US1			

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		^{US-} 5802565	09-01-1998	McBride	
		^{US-} 5805798	09-08-1998	Kearns et al.	
		^{US-} 5848145	12-08-1998	Gallagher et al.	
		^{US-} 5884036	03-16-1999	Haley	
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•		^{US-} 5900017	05-04-1999	Genduso et al.	
		^{US-} 5901294	05-04-1999	Tran et al.	
		^{US-} 5911052	06-08-1999	Singhal et al.	
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		^{US-} 5923893	07-13-1999	Moyer et al.	
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		^{US-} 6414904	07-02-2002	So et al.	
		^{US-} 6446158	09-03-2002	Karabatsos	

	FOREIGN PATENT DOCUMENTS								
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Substitute for form 1449A/PTO		Complete if Known		
		-	Application Number	10/699,116
INFORMATION	I DISCLO	OSURE	Filing Date	October 31, 2003
STATEMENT BY APPLICANT (Use as many sheets as necessary)			First Named Inventor	Donnelly
			Art Unit	2187
			Examiner Name	Chace, C.
Sheet 3	of	7	Attorney Docket Number	RAMB-01065US1

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		^{US-} 6493250	12-10-2002	Halbert et al.	
		^{US-} 6530006	03-04-2003	Dodd et al.	
		^{US-} 6449679	09-10-2002	Ryan et al.	
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		^{US-} 5034917	07-23-1991	Bland et al.	
-		^{US-} 4977498	12-11-1990	Rastegar et al.	
		^{US-} 5068650	11-26-1991	Fernandez et al.	
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		^{US-} 5883839	03-16-1999	Tosaka et al.	

	FOREIGN PATENT DOCUMENTS									
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines.					
Initials*	No.¹	Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	₹⁵				
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Translation is attached.

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	bstitute for form 1449A/PTO			to respond to a collection of information unless it contains a valid OMB control number. Complete if Known		
				Application Number	10/699,116	
11	NFORMATION DISC	CLOS	SURE	Filing Date	October 31, 2003	
S	TATEMENT BY AP	PLIC	ANT	First Named Inventor	Donnelly	
				Art Unit	2187	
	(Use as many sheets as nec	essary)		Examiner Name	Chace, C.	
Sheet	4	of 7	7	Attorney Docket Number	RAMB-01065US1	

Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant
		Number-Kind Code ^{2 (if known)}			Figures Appear
		^{US-} 20040260991	12-23-2004	Vogt et al.	
		^{US-} 20040250181	12-09-2004	Vogt et al.	
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		^{US-} 20040246786	12-09-2004	Vogt	
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		^{US-} 20020083287	06-27-2002	Zumkehr et al.	
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	FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code ³ Number ⁴ 'Kind Code ³ (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶			

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Substitute for form 1449B/PTO					Complete if Known
				Application Number	10/699,116
INFO	RMATION D	ISCLO	SURE	Filing Date	October 31, 2003
STATEMENT BY APPLICANT				First Named Inventor	Donnelly
				Art Unit	2187
	(Use as many sheets a	as necessary)	Examiner Name	Chace, C.
Sheet	5 .	of	7	Attorney Docket Number	RAMB-01065US1

	NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²				
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					Application Number	10/699,116	•
	INFO	RMATION DI	SCLC	SURE	Filing Date	October 31, 2003	
	STATEMENT BY APPLICANT				First Named Inventor	Donnelly	
					Art Unit	2187	
		(Use as many sheets as	necessary	1)	Examiner Name	Chace, C.	
$\overline{\ }$	Sheet	6	of	7	Attorney Docket Number	RAMB-01065US1	

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Examiner Initials*	Cite No. ¹	4 1 MODOZIDO IOUMOI CORIOI COMPACIUM ACIAIGA AIA MARA MARA(A) MAIUMA IAAMA AMALAA(A) AMEULEA (A)					
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		Intel Developer Forum, "Fully Buffered DIMM (FB-DIMM) Design Considerations", February 18, 2004					

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Signature	Considered	J

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STATEMENT BY APPLICANT				First Named Inventor	Donnelly
				Art Unit	2187
	(Use as many sheets a	s necessar	(ע	Examiner Name	Chace, C.
Sheet	7	of	7	Attorney Docket Number	RAMB-01065US1

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				
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